

CLAIMS

1. External rotor motor with a stator (11) and a rotor (13), which surrounds the stator (11) while leaving an air gap (14), characterized in that at least one damper (16; 16')
5 that is composed at least partially of an elastic material is arranged on the outside of the rotor (13).
2. External rotor motor according to Claim 1, characterized in that damper (16') is embodied as a damping ring (30) surrounding the rotor (13) and is made of a hybrid
10 material, preferably of metal/soft component/metal.
3. External rotor motor according to Claim 1, characterized in that the rotor (13) is embodied to be pot-shaped with a pot base (131) and pot jacket (132) and that the damper (16) is embodied as a damper cap (17), which surrounds the pot jacket (132)
15 and/or at least partially covers the pot base (131).
4. External rotor motor according to Claim 3, characterized in that the radially extending cap base (171) of the damper cap (17) bears axially projecting concentric annular rings (21) on its outer surface facing away from the rotor (13).
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5. External rotor motor according to Claim 3 or 4, characterized in that profiled axial ribs (20) project radially from the cap edge (172) on the inside, facing the rotor (13), of the axially extending cap edge (172).
- 25 6. External rotor motor according to one of the Claims 1–5, characterized in that an aggregate (26) with a hub (22) that is to be driven by the rotor (13) is slid over the damper (16) and connected to the rotor (13) in a torque-proof manner.
7. External rotor motor according to Claim 6, characterized in that the damper (16) is
30 clamped between the rotor (13) and the hub (22).
8. External rotor motor according to Claim 6, characterized in that on the damper (16) is fastened, preferably sprayed, onto the inside wall of the hub (22).

9. External rotor motor according to one of Claims 3–6, characterized in that the damper (16) is sprayed on the rotor (13).
10. External rotor motor according to one of Claims 3–6, characterized in that the damper (16) is fastened radially and/or axially on the rotor (13).
11. External rotor motor according to one of Claims 6–10, characterized in that aggregate that is to be driven is a fan wheel (26) of a fan or blower.